VASILIYEV, B.G., kand.tekhn.nauk

Estimating the strength of rocks in breaking them with a concentrated percussive load. Nauch.zap. Ukrniiproekta no.3: 58-63 '60. (Boring)

FARAFONOV, I.I., kand.tekhn.nauk; VASIL'YEV, B.G., kand.tekhn.nauk

Results of testing hard-faced bits in combination drilling with hydrodrills. Nauch.zap. Ukrniiproekta no.2:141-151 '60.

(Boring machinery--Testing)

VASIL'YEV, B.G., inzh.; MALYSHEV, A.S., inzh.; SAZONOV, V.P., inzh.

Use of synthetic materials in ship piping and systems. Sudostroenie 30 (MIRA 18:7) no.8:55-58 Ag '64.

VASIL'YEV, B.G., inzh.; MALYSHEV, A.S.

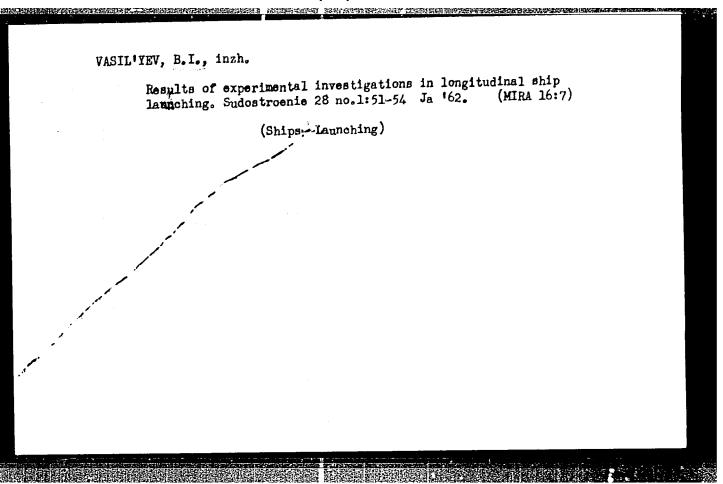
Use of synthetic materials in the fabrication of ship fittings.

Sudostroenie 30 no.8:58-63 Ag '64. (MIRA 18:7)

VASIL'YEV, B.I.; LEBEDEV, Yu.A.

Making ingot molds on conveyors. Lit. proizv. no.2:40-41 F (MIRA 16:3)

'63. (Ingot molds) (Molding (Founding))

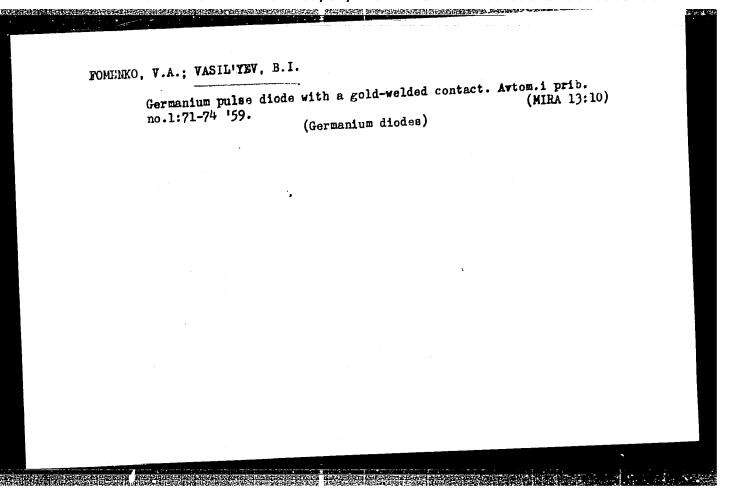


VASIL'YEV, B.I., inzh.; KURILENKO, N.I., inzh.

Determining forces acting on the checking devices during ship

launching. Sudostroenie 29 no.6:40-41 Je '63. (Ships--Launching)

(MIRA 16:7)



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MAGE I NON EXPLORATION SON/5778 The bear MER founders transmiss and sorters bondestys	Artomatizatalys i priboretxoyeniye; sbornik manchnych trudov, vyp. 1. (Artomation and Instrument Maining; Gollacted Scientific Sorbis, No. Elyer, Gostathisdat DEEE, 1999, 107 p. 3,000 copies printed.	Ed.; V. Demakity Troh. Ed.; K. Omarov; Editorial Board: P.M. Mel'nik (Chief Ed.), H.T. Zharov, G.S. Kymbtab, L.A. Orlov, (Resp. Ed.), L.A. Edoythet, med B.V. Tarin.	FUNDOM: This collection of articles is intended for actentific and technical vortors and for students of schools of higher education specialiting in automation, talemechanics, and computing.	COTEMAR: The collection contains papers on the automation of setaliurgical, charical and poer supposed and not be devalupered of not introduced, unisambnufed, units, and a program control system for furier lathes. A libitography on automatic staying of solutions containing 66 items: A Borlack, 34 Equito, 5 German, 4 French and 1 Folich, is included. No personalities are smithinged.	Ecrobio, F.J., Ad. Strallebenko, V.M. Korothersich, V.M. Konlyke, L. London, V.M. Artmidy, Antonicion Sylven for Open-Bench Therest Frocesses	Yorobio, M.I., V.L. Kallyuk. Open-Esarth Control System	Emmelor, E.A., 2.0, Miryubre, Automatic Inspection and Control of Blast Distribution in Gen-Bearth Ingeres	ENGINE R.B. Bew Indirect Method for the Automatic Analysis of Milliforgonent Solutions	Sorm, C.A., Ball Kobu, V.Ye. Chille, V.R. Afanas'yev. Progress Control System of Turne Lathe 1341 F	Sprin, G.A., and O.Y. Portishiy. Shift Premy Called Nametic Stops	AUTOWATION EQUIPMENT	Incepts V.L. Comparison of Methods of Selecting Telemechanic Presponsy Codes	BHILE, B.K. and W.L. Papes. Circuitry for Synchronous Reseption of Talemenants Frequency Codes (Synchronous Generator-Filters)	Militar, L.M., T.F. Kornlenko, Calculator "Birms-2" for the Reconde Distribution of Active Load in Power Systems	Starke, V.M. and Pollpan, E.M. base for Selecting Criterion. With Regard to the foressity of Pettorsing Fee Losses During Platitudian of Loss Among Electric Power Stations.	Pothuk, V.I. and V.A. Lapiy, Electronic Level Controller	Vagner, I.V., A.I. Bovneel'skays, I.P. Titarenko. Filosofentration Meter for Potassium Salt Solutions	Emerich, V.S., I.M. Krobersts, Bu.M. Altaynkly. Bighly benilifive Germine Prototriole	Posento, F.A. and B.L. Vasil'yev. Cold-Wolded Germanium Philes Diode	AUTOWITE CONTROL	Shiradov, Q.D. New Principle of Control Using High-Speed Scalinger Controllers for Industrial Processes With Considerable Leg.	Grighthuk, W.P. and Du.I. Samplinko. Approximate Methods for Selecting Optisms Adjustments of Discontinuous Centrol Systems	Ladjyry, B.Xa., and A.Y. Ogoro-inik. Belection of Control Parameters for a Mercury-fool Electrolytic bath		
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L 13058-63	EWP(q)/EWT(m)/BDS	The second of th
ACCESSION NR: A	T3002987	s/2927/62/000/000/0095/0101
AIFTHOR: Vasilty	ev, B. I.; Vdovenkov, A. A.	
proference on Se	pe germanium diodes for heav miconductor Devices held in	y currents [Report of the All-Union Tashkent from 2 to 7 October 1961]
SOURCE: Elektro AN UZSSR, 1962,	nno-dy*rochny*ye perekhody*	v poluprovodníkakh. Teshkent, Izd-vo
ייטפדר ייאGS: שע	se germanium diode, germanium	um diode heavy current
ABSTRACT: An at having a low for Hole-type german used. Static co	ttempt is described to build ward resistance and a high nium with a resistivity of O urrent-voltage characteristi erse-resistance-recovery tim	diffused-junction germanium diodes rate of recovery of reverseresistance.  2-1 ohm.cm and 8b diffusion donor were cs were measured within -65 +1000 e was measured for 50-800-ma forward
currents, 2.5-2	emperature relation was dete	1-5 kohm discharge resistances. Detailed rmined within -65 +70C renge. Detailed ion is submitted: by using a low-thin crystals, it is possible to build

L 13058-63

ACCESSION NR: AT3002987

THE RESIDENCE OF THE PROPERTY 
high-speed Ge diodes with a high operating temperature of junction and with a low forward resistance. Orig. art. has: 4 figures, 2 formulas, and 1 table.

ASSOCIATION: Akademiya nauk SSSR (Acedemy of Sciences SSSR) Akademiya nauk Uzbekskoy SSR (Acedemy of Sciences UzSSR) Tashkenskiy gosudaratvenny\*y universitet (Tashkent State University)

SUBMITTED: 00

DATE ACQ: 15May63

ENCL: 00

SUB CODE: 00

NO REF SOV: 000

OTHER: 003

Card 2/2

GLEMEOTSKIY, V.A., prof. doktor tekhn. nauk, otv. red.; VASIL'YEV,

B.K., red.

[Intensification of the flotation process] Intensifikatsiia flotatsionnogo protsessa. Moskva, Nauka, 1964. 46 p.

(MIRA 17:12)

1. Moscow. Institut gornogo dela im. A.A.Skochinskogo.

TO THE REPORT OF THE PROPERTY 
LIDIN, G.D., prof., doktor tekhn.nauk, otv. red.; VASIL'YEV, B.K., red.

I CANE

[Air and gas dynamics of mines and mine safety] Mudnich-naia aerogazodinamika i bezopasnost' gornykh rabot. Moskva, Nauka, 1964. 205 p. (MIRA 18:1)

1. Moscow. Institut gornogo deln im. A.A.Skochinskogo.

PLAKSIN, Igor' Nikolayevich; SHAFEYEV, Rafael' Sharifovich; CHANTURIYA, Valentin Alekseyevich; VASIL'YEV, B.K., red.

[Effect of the surface heterogeneity of minerals on their interaction with flotation reagents] Vliianie geterogennosti poverkhnosti mineralov na vzaimodeistvie s flotatsionnymi reagentami. Moskva, Nauka, 1965. 49 p.

(MIRA 18:4)

AMMOSOV, Innokentiy Ivanovich; VASIL'YEV, B.K., red.

[Coal oxidation zone; methods of determining the depth of the oxidation zone] Zona okisleniia uglei; metodika opredeleniia glubiny zony okisleniia. Moskva, Nauka, 1965. 90 p. (MIRA 18:7)

VASIL'YEV, B. K.; ZAYTSEV, A. N.; PIS'MENNYY, V. S.

Boxes of crimped cardboard. Standartizateiia 26 no.10:54-59
(MIRA 15:10)

(Bexes-Standards)

VASIL'YEV, B.K.; BOGDANOV, V.M.

Standardizing shapes and dimensions of nonferrous ingots.
Standartizatsiia 26 no.5:35-39 My '62.

(Nonferrous ingots—Standards)

(Nonferrous ingots—Standards)

BURMISTROV, P.I.; SAMOYLOVICH, S.D.; DEMICHEV, G.M.; KONONOV, V.A.;

EVENCHIK, S.D.; BRODOVSKIY, N.R.; PAVLOV, S.M.; BOEROV,
A.A.; BASKIN, A.I.; SHKOL'NIKOV, S.A.; VASIL'YEV, B.K.;

DRANNIKOV, A.B.; RIKMAN, M.A.; BURAKOV, V.A.; VLADIMIROV,
A.P.; NIKOLAYEVSKIY, G.M.; PETRUSHEV, I.M., red.;

GERASIMOVA, Ye.S., tekhn. red.

在美国的特殊的主义,这种的人,我们是一个人,我们就是一个人,我们就是一个人,这个人,我们就是一个人,我们是一个人,我们们也不是一个人,我们们也不是一个人,我们们

[Mechanization of loading, unloading and storing operations in industrial enterprises] Mekhanizatsiia pogruzochno-razgruzochnykh i skladskikh rabot na promyshlennykh predpriiatiiakh. Moskva, Ekonomizdat, 1963. 276 p.

(MIRA 17:2)

VASIL'YEV, B.K.

Investigation of the combustion process in a 4-stroke gas turbine engine operating on mixed fuel. Trudy TSHII MPS no.87: 52-75 154. (MIRA 8:3)

(Gas turbine locomotives)

VASIL\*YEV, B.K., kard. tekhn. nauk

Handling of packaged piece goods. Mekh. i avtom. proizv. 17
no.6:35-41 Je \*63. (MRA 16:7)

(Loading and unloading)

SHIPE SHELLENGON TO SHEET SHEE

VASILYEY, B.K.

BARANOV, A.F., redaktor; RUDOY, E.F., redaktor; SOLOGUBOV, V.N., kandidat tekhnicheskikh nauk, otvetstvennyy redaktor toma; ALBEGOY, N.A., kandidat tekhnicheskikh nauk; VASIL'YEV. B.K., inzhener; VERSHINSKIY, S.V., kandidat tekhnicheskikh nauk; VINOGRADOV, G.P., kandidat tekhnicheskikh nauk; VINOKUROV, M.V., professor, doktor tekhnicheskikh nauk; GOLOVANOV, V.G., kandidat tekhnicheskikh nauk; GOHDEYEV, A.S., dotsent, kandidat tekhnicheskikh nauk; GURSKIY, P.A., dotsent, kandidat tekhnicheskikh nauk; GUREVICH, A.N., kandidat tekhnicheskikh nauk; DOMBROVSKIY, A.B., dotsent; YEGORCHENKO, V.F., professor, doktor tekhnicheskikh nauk: IVANOV, V.N., professor, doktor tekhnicheskikh nauk; KARVATSKIY, B.L., professor, doktor tekhnicheskikh nauk; KOROLEV, K.P. professor, doktor tekhnicheskikh nauk; MUCHKIN, I.N., kandidat tekhnicheskikh nauk; POPOV, G.V., inzhener; PROSKURNEV, P.G. inzhener; SAFOE-TSEV, K.A., izhener: SETICHASTHOV, I.F.dotsent, kandidat tekhnicheskikh nauk; SLOMYANSKIY, A.V., dotsent, kandidat tekhnicheskikh nauk; STEPANOV, A.D., dotsent, kandidat tekhnicheskikh nauk; SYROMYATNIKOV, S.P., akademik[deceased]; TERHOVSKIY, V.A., dotsent; kandidat tekhnicheskikh nauk; TRUBETSKOY, V.A., kandidat tekhnicheskikh nauk, KHOKHLOV, N.F., kandidat tekhnicheskikh nauk; SHARONIN, V.S., kandidat tekhnicheskikh nauk; SHLYKOV, Yu.P., dotsent, kandidat tekhnicheskikh nauk; YEVTUSHENKO, A.M. kandidat tekhnicheskikh nauk, retsenzent; IVANOV, V.N., professor, doktor tekhnicheskikh nauk, retsenzent; PAWOV, N.I., dotsent, kandidat tekhnicheskikh nauk, retsenzent; SLOMYANSKIY, A.V., dotsent, kandidat tekhnicheskikh nauk, retsenzent; UTYAHSKIY, L.I., inzhener, retsenzent; METYKSA, V.H., professor, doktor tekhnicheskikh nauk, retsenzent; (Continued on next card)

BARANDY, A.F., -- (Continued) Card 2. TOPORNIN, G.S., inzhener, retsenzent; DOMBROVSKIY, A.B., dotsent; retsenzent; POYDO, A.A., kandidat tekhnicheskikh nauk, retsenzent; YAKOBSON, P.Ye., laureat Stalinskoy premii; dotsent; kandidat tekhnicheskikh nauk, retsenzent; POPOV. A.A., professor, doktor tekhnicheskikh nauk, retsenzent; PROSKURNEV, P.G., inzhener, retsenzent; SAFONTSEV, K.A., inzhener, retsenzent; SERAFIMOVICH, V.S., kandidat tekhnicheskikh nauk: retsenzent: TRAVIN, P.I., inzhener, retsenzent; FOKIN, K.F., kandidat tekhnicheskikh nauk, retsenzent; SHCHERBAKOV, V.P., inzhener, retsenzent; SHADUR, L.A., dotsent; kandidat tekhnicheskikh nauk, retsenzent; TIKHONOV, P.S., inzhener retsenzent; TKACHENKO, F.D., inzhener; retsenzent; BABICHKOV, A.M. professor, doktor tekhnicheskikh nauk, retsenzent: KOROSTYLEV, A.I. inzhener, retsenzent; LEVITSKIY, V.S., dotsent; kandidat tekhnicheskikh nauk, retsenzent; KLYKOV, A.F., inzhener, retsenzent; SOLOGUBOV, V.N. redaktor; SHISHKIN, K.A., redaktor; SLOMYANSKIY, A.V. redaktor; SALENKO, S.V., redaktor; YUDZON, D.M. tekhnicheskiy redaktor.

[Technical reference book for railroad men] Tekhnicheskii spravochnik zheleznodorozhnika. Redaktsionnaia kollegiia: A. F. Baranov, i dr. Glav.redaktor. E. F. Rudoi. Moskva, Gos.transp.zt.el-dor.izd-vo. Vol. 6 [Rolling stock] Podvizhnoi sostav. 1952. 955 p. (MLRA 8:9) (Railroads--Rolling-stock)

AGOSHKOV, Mikhail Ivanovich; BOYARSKIY, V.A., otv. red.;
VASILLYEV, B.K., red.

[Design and calculation of the systems and technology for working ore deposits] Konstruirovanie i raschety sistem i tekhnologii razrabotki rudnykh mestorozhdenii. Moskva, Izd-vo Nauka, 1965. 218 p. (MIRA 18:12)

1. Chlen-korrespondent AN SSSR (for Agoshkov).

Hydraulic presses for zd-vo mashinostroit.	lit-ry, 1951. 179 p	o. (52=29485)	
rj1460. <b>v</b> 3	·		

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VASILIEV, B. L.

Television - Receivers and Reception.

Lowering of sensitivity of television sets KVN-49-Radio no. 4, 1952.

9. Monthly List of Russian Accessions, Library of Congress, June 195/12 Uncl.

31436

1.1400

S/122/62/000/001/003/005 D221/D304

AUTHOR:

Vasil'yev, B.L., Engineer

TTTLE:

Vibratory machining of metals by pressure

PERIODICAL:

Vestnik mashinostroyeniya, no. 1, 1962, 61-62

TEXT: The expediency of limiting the swing of swaging tools has led the author to design a new type of rotary forging machine, in which an eccentric rotor is mounted within a second hollow rotor. The latter is provided with a slot for a split die and a hammer head with a roller. The rotors revolve in opposite directions, thus producing impacts on the workpiece and ensuring a maximum transfer of energy. The prototype was made in 1960 at the Novosibirsk factory "Tyazhstankogidropress", and worked quietly and without knocks. A new model for complex shapes like turbine blades, can be designed as a further step. The outside surface of the internal rotor and the inside of the hollow rotor are than tapered. The die is closed and forms a nest which corresponds to the contour of the workpiece. The working rotor slides along its axis

X

Card 1/2

31436

Vibratory machining ...

S/122/62/000/001/003/005 D221/D304

to the right or left and only the hollow rotor can rotate. The blank is placed when the working rotor is shifted to the right. Then the rotor returns to its initial working position. During the rotation of the hollow rotor, whose center does not coincide with that of the working rotor, blows are produced on the blank which then fills the cavities of the form. A recent design of a press with vibratory actuation is described and illustrated. The blank is held in the die by two cylinders, and a vibratory action is provided by an out-of-balance drive which produces 1500 blows per minute. Blades made in aluminum and steel alloys  $40 \times HMA$  (40KhNMA) and  $\times 17 H2$  (Kh17N2) in the cold and hot states were machined. The investigation demonstrated that an increase in the frequency of impacts produced a more uniform deformation which resulted in finer grain and a greater hardness. This method permits greater accuracy in machining than hammering and pressing. The author suggests its wide introduction, and unification of designs. There are 3 figures and 2 Soviet-bloc references.

Card 2/2

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858820012-6"

X

VASIL'TEV, B.M. (poselok Dedovichi, Pakovskaya oblast').

Self-made device for taking feces for bacteriological analysis. Fel'd. i
akush. no.6:57 Je '53. (MEA 6:7)

(Imboratories-- Apparatus and supplies)

Washington, kanalanad nauk (Leningrad)

Methodology of neurosurgical anesthesiology. Vop. neirothir. 27 no.3:13-16 Ny-Je '62. (MIRA 199)

1. Kafedra neyrokhirurgii (nachal'nik = B.A.Samotokin) Voyennomeditsinskoy ordena Lenina akademii imeni Kirova, Leningrad.

VASIL'YMV, B.M.; ERSPALOV, G.S.

Osteogenic sarcoma of the thyroid. Veet.khir. 75 no.3;
118-121 Ap '155. (MLRA 8:7)

1. Iz l-y fakul'tetakoy khirurgicheskoy kliniki (nach.-prof. V.M. Shanov) i kafedry natologicheskoy anatomii (nach.-prof. A.M.Chietovich) Voyenno-maditainskoy ordena Ienina akademii im. S.M.Kirova. (THYROID GIAID, neoplasms, sarcoma, osteogenic) (SARCOMA, thyroid gland, osteogenic)

SAMOKHYALOV, V.I., mayor meditsinskoy sluzhby; RUSHKOV, S.V.; VASILIYEV,
B.M.; ZAKHAENNKO, S.V.; SUKOVATYKH, L.S., starshiy leytenant
meditsinskoy sluzhby

Using bicillin in surgical practice. Voen.-med.zhur. no.10;40-144
0 '56.

(FUNICILLIN) (SURGERY)

VASIL'YEV, B.M. (Leningrad, 53, V.O. 1-ya, d.24, kv.17)

Chlorvinyl drain with expandable intracavitary fixator similar to Petzer's catheter. Vest.khir. 80 no.5:118-120 My '58 (MIRA 11:7)

1. Iz fakulitetskoy khirurgicheskoy kliniki No.1 Voyenno-meditsinskoy ordena Lenina akademii im. S.M. Kirova (nach. - prof. V.N. Shemov).

(DRAINAGE, apparatus and instruments, chlorvinyl drain with expandable intracavitary fixation (Rus))

VASIL'YEV, B.H.

Intraperitoneal administration of bicillin; experimental data.
Antibiotiki 4 no.1:101-104 Ja-F '59. (MIRA 12:5)

1, Klinika fakul'tetskoy khirurgii No.1 (nachal'nik kliniki deystvitel'nyy chlen AMN SSSR prof. V.N.Shamov) Voyennomeditsinskoy ordena Lenina akademii imeni S.M.Kirova.

(PENICILLIN, admin.
benzathine penicillin G. intraperitoncal
admin. in animals (Rus))

VASIL'YEV, B.M. (Leningrad, Vasil'yevskiy ostrov, 1-ya liniya, d.24, kv.17)

Local application of antibiotics for the prevention and therapy of peritonitis; experimental investigation. Vest.khir. 83 no.8:101-106 Ag '59. (MIRA 13:1)

1. Iz fakul tetskoy khirurgicheskoy kliniki No.1 (nach. - prof. V.N. Shamov) Voyenno-meditsinskoy ordena Lenina akademii im. S.M. Kirova.

(ANTIBIOTICS pharmacol.)

(PERITONITIS exper.)

USSR / Farm Animals. Small Horned Stock

Q

Abs Jour: Ref Zhur-Biol., No 5, 1958, 21468

Author : Vasil'yev B. M.

Inst Title

: Some Problems of Sheep Management in Central Kazakh-stan (Nekotoryye voprosy sistemy soderzhaniya ovets v Tsentral nom Kazakhstane)

Orig Pub: Ovtsevodstvo, 1957, No 8, 10-12

Abstract: No abstract.

Card 1/1

23

CIA-RDP86-00513R001858820012-6" APPROVED FOR RELEASE: 08/31/2001

VASIL'YEV, B.M.; NAGORNYY, Yu.M.

Problems of a correct agricultural system for the stockbreeding zone of Dzhambul Province. Vest.AN Kazakh.SSR 16 no.3:11-20 Mr (MIRA 13:6)

160. (Dzhambul Province-Agriculture)

CHURIN, Kh.D., kand. sel'khoz. nauk, dots.; VASIL'YEV, B.M., dots.; BELOV, A.I., kand. ekon. nauk; ASHIRYAYEV, Sh.V., dots.; TSYPKIN, G.I., kand. sel'khoz. nauk; KAPLIHA, G.T., dots.; ANDRONOV, I.G., dots.; VASIL'YEV, V.I.; KONDION, A.K.,; MAKAROV, A.P., nauchnyy sotr.; ZHIZNEVSKIY, F.V., red.; MOSIYASH, S.P., red.; KRINITSKIY, V.A., red.; NAGIBIN, P., tekhn. red.

[Economics of Kazakhstan agriculture] Ekonomika sel'skogo khoziaistva Kazakhstana. Alma-Ata, Kazsel'khozgiz, 1962. 325 p. (Kazakhstan-Agriculture--Economic aspects) (MIRA 16:3)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858820012-6"

SALYUKOV, P.A., kand. biol. nauk; VERNIGOR, V.A., kand. sel'khoz. nauk; KORMANOVSKAYA, M.A., kand. sel'khoz. nauk; GOLODNOV, A.V.; SKOROBOGATOV, Yu.A., mladshiy nauchnyy sotr.; MALLITSKIY, V.A., kand. sel'khoz. nauk; CRASHCHIN, B.V., kand. sel'khoz. nauk; PONOMAREV, P.P., kand. takhn. nauk; BARMINTSEV, Yu.N., doktor sel'khoz. nauk; NECHAYEV, I.N., mlad. nauchnyy sotr.; POZDNYAKOV, P.M., kand. biol. nauk; KOVIN'KO, D.A., kand. biol. nauk; BALANINA, O.V., kand.sel'-khoz. nauk; MOISEYEV, K.V., kand. sel'khoz. nauk; ROMANOV, P.F., kand. veter. nauk; PAL'GOV, A.A., kand.veter. nauk; ANAN'YEV, P.K., kand. veter. nauk; VASIL'YEV, B.M., kand. sel'khoz. nauk; AEDULLIN, V.A., kand. ekon. nauk; GALIAKBEROV, N., laureat Gos.premii, kand. sel'khoz. nauk, red.; GUSEVA, N., med.; NAGIBIN, P., tekhn. red.

[Reference book for zootechnicians] Spravochnik zootekhnika.
Pod red. N.Galiakberova. Alma-Ata, Kazsel'khozgiz, 1963.
492 p. (MIRA 16:5)
(Kazakhstan--Stock and stockbreeding)

VASIL'YEV, B.N., kapitan 1-go ranga v otstavke

Course laid with fire. Mor. sbor. 48 no.2:92-93 7 '65.

(MIRA 18:11)

VASIL'YEV, B.N. (Leningrad)

Stressed and strained state of a manometer tube. Inv.
AN SSGR.Mekh. no.4:139-144 J1-Ag '65.

(MIRA 18:12)

VASIL'YEV, B. N., Cand Phys-Math Sci -- (diss) "On the Properties of Substances in the Adsorbed State According to Data of the Study of Carbon Dioxide Adsorption within the Range of Temperatures and Pressures." Mos, 1957. 7 pp (Acad Sci USSR, Inst of Physical Chemistry), 100 copies. Mimeographed (KL, 48-57, 104)

- 1 -

VASIL'YEV, B.N. (Tbilisi)

Perforation of simple ulcer of the small intestine associated with inflammation of Meckel's diverticulum. Vest.khir. 90 no.5:112-113 (MIRA 11:7)

My '58

(WECKEL'S DIVERTICULUM, Complications, diverticulitis with perf. ulcor of small intestine (Rus))

(INTESTINE, SMALL, ulcer, perf. in Meckel's diverticulitis (Rus))

CHERTKOV, S.N., podpolkovník meditsinskoy slushby; VASIL'YEV. B.N., podpolkovník meditsinskoy slushby

Use of aminopeptide in surgery. Voen.-med.zhur. no.12:48-49 159.

(OPERATIONS, SURGERY)

(PEPTIDE)

#### CIA-RDP86-00513R001858820012-6 "APPROVED FOR RELEASE: 08/31/2001

TO THE PERSON NAMED AND PARTY OF THE

VASIL'YEV,

USBR/Physical Chemistry - Surface Phenomena, Adsorption, Chromatography, Ion Interchange.

B-13

Abs Jour: Referat. Zhurnal Khimiya, No 2, 1958, 3995.

Author : B.N. Vasil'yev, B.P. Bering, M.M. Dubinin, V.V. Serpinskiy.

: Academy of Sciences of USSR.

Inst : Study of Adsorption Under High Pressure. Title

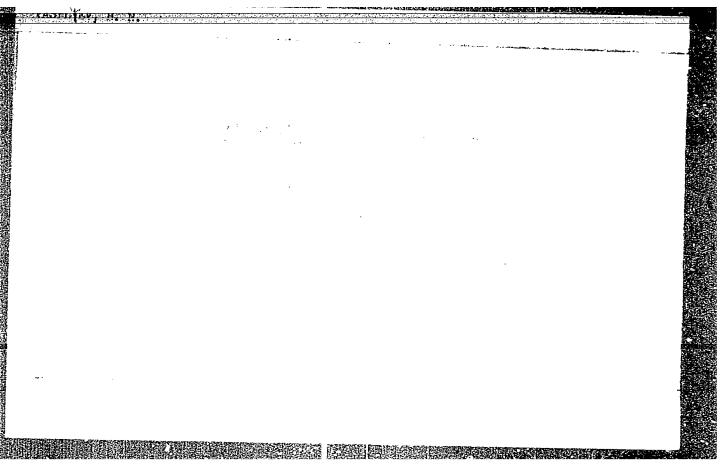
Orig Pub: Dokl. AN SSSR, 1957, 114, No 1, 131-134.

Abstract: The CO2 adsorption on two silica gel specimens in the range from -85 to +400 and under the pressure of from 0 to 85 atm was studied using the instrument described earlier (RZhKhim, 1957, 74788). The adsorption hysteresis loop is observed only in the range from -60 to -20. The isotherms of -30 and -50° bring to a not coinciding distribution of pore volumes according to their radii. The total substance content a differs noticeably under high pressures from Gibbs' adsorption. It is shown that the mean density  $\hat{\gamma}_a$  of CO2 in the adsorbed state

: 1/2 Card

-5-

<u>08/31/2</u>001 CIA-RDP86-00513R00185882001



33374
3.2430(482,2806)
3,560/61/000/010/002/016
5/560/61/000/010/002/016
D299/D302
172450
AUTHORS:
Mandel'shtam, S. L., Tindo, I. P., Voron'ko,
Yu. K., Shurygin, A. I., and Vasil'yev, B. N.

TITLE: Study of solar X-radiation. I. Geophysical-rocket measurements

SOURCE: Akademiya nauk SSSR. Iskuzstvennyye sputniki Zemli. no. 10. Moscow, 1961, 12-21

TEXT: This is the first of 3 investigations on X-radiation in the range below 10 Å carried out by research rockets and the 2nd and 3rd Sputniks. Provisional results of these measurements were set forth in brief in an earlier study. Experimental method: The measurements described in the present article were carried out during the flight of 2 research rockets. The prime object of the measurements who to accumulate experimental data and to develop a method for subsequent measurements by means of

Card (1/5)

3370% 5/560/61/000/010/002/016 D299/D302

Study of solar ...

earth-satellites. As detectors, photon counters were used, as these are more sensitive in the spectral range < 10 % than vacuum photomultipliers. The sensor unit was placed on the instrument container which turned nutomatically towards the sun. Special precautions were taken to ensure that no corpuscular radiation should interfere with the measurements. In the first launching, the sensor unit incorporated 2 similar counters launching, the sensor unit incorporated 2 similar counters launching, the sensor unit incorporated 2 similar counters launching, both shield, and the other had none. In the second launching, both counters had magnetic shields, but the second counter was at an counters had magnetic shields, but the second counter was at an engle of 15 towards the sun, recording non-solar radiation only. Standard counters of type CBT-9 (SBT-9) were used. The characteristics of the counters are described. The counting rate was teristics of the counters are described. The 2 rockets were calculated from the telemetered data. The 2 rockets were launched on July 21, 1959, in the morning and evening respective-launched on July 21, 1959, in the morning and evening respective-launched on the solar activity was intense. Results: A ly. On that day, the solar activity was intense. Results: A Special precautions were taken to ensure that no corpuscular

Card 2/5

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858820012-6" "APPROVED FOR RELEASE: 08/31/2001

5/560/61/000/010/002/016 D299/D302

Study of solar ...

A considerable X-ray flow was recorded from altitudes of 95 km up. Owing to the stability of orientation of the container with respect to the sun, it was unnecessary to make allowance for the angular dependence of counter efficiency. Prom the countingrate data, the energy distribution and the magnitude of the energy flux outside the atmosphere were calculated. The data processing was based on the expression mincl went (z),

where mincl is the mass of an inclined air-column of 1 cm2 cross-section lying between the apparatus and the sun, myortthe mass of a vertical column equal to the atmospheric pressure at the given altitude, and  $\Phi$  (z) is determined by the zenith angle of the sun z. A figure shows the counting rate as a function of mincl. Assuming the spectral region under investigation to be continuous, it is possible to construct the photon-distribution curve by means of the counting-rate curves, the mass

Card 3/5

**APPROVED FOR RELEASE: 08/31/2001** CIA-RDP86-00513R001858820012-6"

0/500/61/000/010/002/016 p299/p302

Study of solar ...

coefficients of absorption of air, and the spectral-sensitivity curve of the counters. A figure shows the photon-distribution curves as a function of wavelength. The energy distribution in the morning and evening launchings was found to differ by a factor of 3. It is difficult to accertain whether this difference is real. The main source for the continuous radiation is electron bromsstrahlung in the field of hydrogen and helium ions. The obtained electron temperature considerably exceeded the value of  $T_{\rm e} = 1 \div 3 \times 10^6$  ok obtained in subsequent investigations by space-ships. A comparison of measurements conducted by Friedman (in 1953) during a minimum-period of solar activity with the authors' measurements (in December 1960, by space-ship) with the authors' measurements (in December 1960, by conditions of radiation are greatly dependent on the phase of the sun cycle. As the above-described rocket investigations were carried out for very low positions of the sun above the horizon (in contra-

Card 4/5

سرنج

8

Study of solar ...

33364 S/560/61/000/010/002/016 D299/D302

distinction to Friedman's investigations), further systematic measurements are required. In ensuing articles, the results of measurements carried out on the 2nd and 3rd Sputniks will be given, as well as a description of the electronic equipment. There are 11 figures and 20 references: 8 Soviet-bloc and 12 non-Soviet-bloc. The 4 most recent references to the English-language publications read as follows: G. Elwert, J. Geophys. Res., 66, 391, 1961; H. Friedman, Trans. Intern. Astr. Un., 10, 706, 1960, Cambridge Univ. Press; T. A. Chubb, H. Friedman, R. W. Kreplin, J. Geophys. Res., 65, 1831, 1960; R. W. Champion, R. A. Minzner, Plan. and Space Science, 1, 259, 1959.

SUBMITTED:

May 17, 1961

Card 5/5

. مرغ

37195

3.2430

s/560/61/000/011/001/012 E052/E514

AUTHORS:

Mandel'shtam, S.L., Tindo, I.P., Voron'ko, Yu.K.,

Vasil'yev, B.N. and Shurygin, A.I.

TITLE:

Studies of solar X-ray emission. II

SOURCE:

Akademiya nauk SSSR. Iskusstvennyye sputniki Zemli.

no.11. Moscow, 1961. Rezul'taty nauchnykh

issledovaniy, provedennykh vo vremya poletov vtorogo i tret'yego kosmicheskikh korabley-sputnikov, 3-14

TEXT: In a previous paper (Ref.1: Iskusstvennyye sputniki Zemli, no.10, Izd-vo AN SSSR, 1961, p.12) the authors reported measurements of the intensity of solar X-ray emission below 10 Å which were carried out with the aid of geophysical rockets. In the present paper they report the corresponding results obtained with the second and third Soviet spaceships on August 19-20 and December 1-2, 1960. The aim of the measurements was to investigate the intensity over an extended period of time (of the order of a day or two). Preliminary results have been given by the authors in another paper (Ref.2: Dokl. AN SSSR, 140, 1058, 1961). The second spaceship carried six end-window photon counters (15 mg/cm<sup>2</sup> beryllium foils) with an oxygen-neon quenching mixture. Card (1/3)

\* 5/560/61/000/010/002/016

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858820012-6"

Studies of solar X-ray emission.II S/560/61/000/011/001/012 E032/E514

These counters were developed under the direction of I. A. Prager and S. M. Perel'man. The counters had a sensitivity of between 0.1 and 0.2 pulses/photon in the wavelength range 3-7.5 Å. The counters were mounted so that their axes were oriented along six directions at equal angles to each other; the field of view of each counter was 45°. The telemetric record showing the counting rate as a function of time is reproduced. It is estimated that the flux of radiation in the range 2-10 Å, which was recorded during the flare of August 19 (15 hr 33 min) was of the order of  $7 \cdot 10^{-3} - 1.5 \cdot 10^{-2}$  erg cm<sup>-2</sup> sec<sup>-1</sup>. The apparatus mounted on the third spaceship was somewhat modified. Three types of probes were employed so that the solar radiation below 10 % could be continuously monitored together with interference due to radiationbelt particles. The main detectors were two parallel-connected CET-9 (SBT-9) counters with mica windows (1.6 mg cm<sup>-2</sup>) and located in a lead screen 1 mm thick. The counters were supplied In addition, there were two "control by solar batteries. counters" which were mounted at right angles to the direction of the sun. A tantalum plate was placed in front of the counter Card 2/3

Studies of solar X-ray emission.II S/560/61/000/011/001/012 E032/E514

windows and served as a target for the radiation-belt particles. The counters were practically insensitive to solar X-ray radiation. A third pair of counters was mounted on the outer surface of the third spaceship. These counters were similar to those carried by the second spaceship. The aim was to estimate the spectral energy distribution by comparing the indications of the beryllium and the mica counters. The telemetric record obtained with the aid of the third spaceship is reproduced. It is estimated that the flux of radiation below 10 Å was  $2.5 \cdot 10^{-4}$  erg cm<sup>-2</sup> sec<sup>-1</sup>. Moreover, the intensity of radiation in this spectral region remained constant within  $\pm 20\%$  during the observations. This was due to the fact that on December 1-2, 1960 the sun was very quiet and there was only one flare (importance  $1^+$ ). The question of the flux and the energy of the particles recorded in these experiments is being examined at the present time. There are 10 figures and 2 tables.

SUBMITTED: June 26, 1961

Card 3/3

3.7420 (1049, 1442)

29115 \$/020/61/140/005/011/028 B104/B102

AUTHORS:

Vasil'yev, B. N., Voron'ko, Yu. K., Mandel'shtam, S. L.,

Tindo, I. P., and Shurygin, A. I.

TITLE:

Preliminary results of a study of solar x-radiation by means

of rockets and space ships

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 140, no. 5, 1961, 1058-1061

TEXT: By means of two geophysical rockets (July 21, 1959, altitude 105 km), the second space ship (August 19-20, 1960, altitude of perihelion 305 km, aphelion 320 km), and the third space ship (December 1-2, 1960, perihelion 180 km, aphelion 249 km), solar radiation in the spectral range below 10 A was studied. End-window photon counters with aluminum coated ( $2\mu$ ) mica windows (1.6 mg/cm², d = 4 mm) were attached outside the apparatus container which left the rocket and turned automatically to the sun. By means of magnetic systems, the windows of counters were shielded from 15-20 kev electrons which might cause bremsstrahlung. At an altitude of 95 km, the counting rate of counters oriented toward the sun increased. This radiation was considered to be

Card 1/4

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858820012-6"

29115 S/020/61/140/005/011/022 B104/B102

Preliminary results of a. ..

an x-radiation. Using data of V. V. Mikhnevich et al. (Izv. AN SSSR) ser. geofiz., no. 11, 1393 (1957)) results of measurement were extrapolated for the boundary of atmosphere. Radiation fluxes (2-10 A) obtained were  $7.3 \cdot 10^{-4}$  and  $3.2 \cdot 10^{-4}$  erg/cm<sup>2</sup> sec. On the second space ship, six end-window photon counters with beryllium windows (C.1 mm thick, 7 mm in diameter) were used. Counters were arranged vertical to each other. The counting rate amounted to some thousand pulses/sec when the counters were exposed to solar radiation. On that part of the orbit which was in the earth's shadow it was some ten pulses/sec (toomic back. ground), and reached high values only when the orbit approached the outer radiation belt. From the results of measurements in the shadow region, the authors concluded that a radiation from the radiation belt did not occur below 30-40° north and 20-30° south. A radiation flux of 7.6.10-4 erg/cm2.sec was obtained. On the third space ship, two counters with mica windows (1.6 mg/cm<sup>2</sup>, d = 4 mm) covered on both sides with aluminum foils (5 $\mu$ ) were switched in parallel. These two counters were oriented toward the sun. Two other counters of the same type were arranged vertical to the former. Tantalum plates were located in front Card 2/4

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858820012-6"

29115 S/020/61/140/005/011/022 B104/B102

Preliminary results of a...

of the windows of these control counters. They recorded radiation caused by slowing down electrons in the tantalum plates. In the instrument container two other beryllium window counters were installed. Thus, it was possible to separate the background of x-radiation caused by electrons from the solar x-radiation. An x-radiation flux of 2.4·10<sup>-4</sup> erg/cm²-sec was obtained in the range 2-10 Å. The electron temperature of solar radiation in the spectral range investigated was estimated to be ~2 10<sup>5</sup>. I. S. Shklovskiy (Izv. Krymsk. astrofiz. obs., 4, 80 (1949)), I. S. Shklovskiy (Izv. Krymsk. astrofiz. obs., 4, 80 (1949)), I. V. Kazachevskaya and G. S. Ivanov-Kholodnyy (Astr. zhurn., 36, 1022 (1959)), S. N. Vernov and A. Ye. Chudakov (Usp. fiz. nauk, 70, no. 4 985 (1960)), and L. V. Kurnosova et al. (Sborn. Iskusstvennyye sputniki Zemilloo), and L. V. Kurnosova et al. (Sborn. Iskusstvennyye sputniki Zemilloo), solid (1961)) are mentioned. There are 4 figures and 7 references; no. 10 (1961)) are mentioned. There most recent references to English-language publications read as follows: T. A. Chubb, H. Friedman, R. W. Kreplin, J. Geophys. Res., 65, no. 6, 1831 (1960); H. Friedman, Astronautics, no. 11, 42, 128 (1960); J. A. Van Allen, L. A. Frank, Nature, 183, 430 (1959).

Card 3/4

29115 \$/020/61/140/005/011/022 B104/B102

Preliminary results of a...

ASSOCIATION: Fizicheskiy institut im. P. N. Lebedeva Akademii nauk SSSR

(Physics Institute imeni P. N. Lebedev of the Academy of

Sciences USSR)

PRESENTED:

May 24, 1961, by D. V. Skobel'tsyn, Academician

SUBMITTED:

April 19, 1961

Card 4/4

WASIL-VEV G.N.,

MARKETSHIAM, S. L., VASILYEV, B. H., VOROSKO, Yu. K., THEO, K. P., EMBARGIN, A.

"Measurements of Solar X-ray Radiation"

"Measurements of Solar X-ray Radiation of Committee on Space Research (COSPAR) and Third International Space Sumposium, Nashington, D. C.,

23 Apr - 9 May 62

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858820012-6"

MANDELSHTAM, S. L., TINDO, I. P., VORON'KO, Yu. K., VASILYEV, B. N. and SHURYGIN, A. I.

"The Intensity of The X-ray Radiation of The Sun Near The Short-Wave Edge of The Spectrum"

report presented at the 13th Intl. Astronautical Federation Congress (FAI) Varna, Bulgaria, 23-29 Sep 1962

#### CIA-RDP86-00513R001858820012-6 "APPROVED FOR RELEASE: 08/31/2001

VASIL YEV

8/020/62/142/001/015/021 B104/B102

AUTHORS:

TITLE:

Mandel'shtam, S. L., Voron'ko, Yu. K., Tindo, I. P.,

Shurygin, A. I., and Vasil'yev, B. N.

Study of solar X-ray emission during the total solar eclipse

on February 15, 1961 Akademiya nauk SSSR. Doklady, v. 142, no. 1, 1962, 77-80

TEXT: The shortwave range (< 10 Å) of the solar spectrum was examined with photon counters described in previous papers of the authors (DAN, 140, no. 5, 1058 (1961); Sborn. Iskusstvennyye sputniki Zemli, (a) no. 10, 1961, po. 13; (b) no. 11, 1961, po. 3). A. P. Lukirskiy helped in determining the spectral sensitivity of the apparatus at the Leningradskiy gosudaretvennyy universitet (Leningrad State University), using a method of Lukirskiy, universitet (Leningrad State University), using a method of Lukirskiy, N. A. Rumsh. and L. A. Smirnov (Optika i spektroskopiya, 2, 505 (1960)). W. A. Rumsh, and L. A. Smirnov (Optika i spektroskopiya, 2, 505 (1960)).

The counters had been developed under the supervision of I. A. Prager and S. M. Poreliman. The counter block was mounted on the outside of the instrument container of a geophysical rocket. The counters always faced the Sun. The container reached an altitude of about 96 km. The emission card 1/2

**APPROVED FOR RELEASE: 08/31/2001** CIA-RDP86-00513R001858820012-6"

s/020/62/142/001/015/021 B104/5102

Study of solar X-ray emission ...

of the solar corona is continuous in the spectral region in question and has no intense lines. The energy distribution of solar emission and the energy flux in the spectral range under consideration were determined from the variations of the count rate with altitude, with the spectral sensitivity of the counters, and with the mass absorption coefficient of Beneritivity of the counters, and with the mass absorption coefficient of air (Fig. 3). The emission of the totally covered corons in the spectral air (Fig. 3). The emission of the totally covered corons in the spectral range in question had an intensity of 4.10-4 erg/cm sec. The shortwave range in question had an intensity of 4.10-4 erg/cm. sec. The shortwave part of the solar spectrum is emitted from all those parts of the corona, in which the 5303 Å line is also excited. There are 4 figures, 1 table, and 7 references: 4 Soviet and 3 non-Soviet. The two references to English-language publications read as follows: 0. Elwert, J. Atm. Terr. Phys., 12, 187 (1958); J. Geophys. Res., 66, 391 (1961).

ASSOCIATION: Fizicheskiy institut im. P. N. Lebedeva Akademii nauk SSSR (Physics Institute imeni P. N. Lebedev of the Academy of Sciences USSR)

July 4, 1961, by A. A. Blagonravov, Academician PRESENTED:

June 27, 1961 SUBMITTED:

Card 2/1

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858820012-6"

MANDEL'SHTAM, S.L.; VASIL'YEV, B.N.; VORON'KO, Yu.K.; TINDO, I.P.; SHURYGIN, A.I.; FETISOV, E.N.

"Of the short-wavelength end of the sun spectrum by means of satellites and rockets."

Report presented at the Spectrascopicum, 11th Intl. Calloq, F. Belgrade, Yug, 30 Sep - 4 Oct 63.

EWT(1)/FCC(w)/FS(v)-2/BDS/EEC-2/ES(v) AEDC/AFFTC/ L 17159-63 Pe-4/Pg-4/Pi-4/Pl-4/Po-4/Pq-4 TT/GW ASD/AFMDC/ESD-3/APGC \$/2560/63/000/015/0085/009196 ACCESSION NR: AT3006863 AUTHOR: Vasil'yev, B. N.; Shury\*gin, A. I.; Tindo, I. P.; Voron'ko, Yu. K. TITLE: Study of x-ray radiation from the sun. III. Electronic equipment SOURCE: AN SSSR. Iskusst. sputniki Zemli, no. 15, 1963, 85-91 TOPIC TAGS: radiation, solar radiation, x-ray, x ray radiation, solar x ray radiation, counter, radiation counter, Geiger counter, telemetry, telemetry transmitter, TM transmitter, satellite, sputnik 6, sputnik, sputnik 5 ABSTRACT: A detailed description is given of x-ray measuring equipment carried on Soviet geophysical rockets and later on Sputniks 5 and 6 animal-carrying satellites of August and December 1960], whose purpose was to record soft x-ray radiation from the sun using photon counters of the Geiger type. The rockets had one counter Card 1/63 

17159-63

ACCESSION NR: AT3006863

continuously oriented toward the sun and a reference counter set 15° away from the sun. Sputnik 5 carried six identical counters, hard-mounted outside the instrument compartment on opposite ends of three mutually orthogonal axes and all feeding into a common counting and storage channel. Sputnik 6 carried three variants as follows: 1) sun-tracking counters with mica windows; 2) suntracking reference counters, also with mica windows, which recorded bremsstrahlung from sun-oriented tantalum deflection plates; and 3) two fixed counters with beryllium foil windows. Each counter set fed its own counting and storage circuitry as shown in Fig. 1 of the Enclosure. In general, a Geiger counter output was fed to a blocking oscillator pulse-shaping stage, then to binary trigger elements and divider stages, and finally to the telemetry encoding unit and/or memory stage. The main difference between the rocket and sputnik systems was that the former had no storage but telemetered the count continuously, whereas the sputniks could store the count over a daily period and transmit it on command from a ground station. In the sputniks the memory circultry registered a count every three minutes; thus the difference

Card 2/6

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Card 3/8

ACCESSION NR: AT3006863

between two successive total counts on readout yielded a mean count rate. Sputnik 5 was able to transmit the current count directly in addition to storing it; Sputnik 6 did not have this direct transmission feature. The pulse shapers, triggers, dividers, and encoders were transistorized and mounted as separate subassemblies in a hermetically sealed container connected to the Geiger counter. Schematics are given for each of these stages, together with descriptions of circuit functions, including temperature compensation to ensure stable operation over the +50C range. Performance limits of the counter systems were as follows: 1) rocket mounted counters had an impulse rate of 0.1 to 3000 per sec; 2) Sputnik 5 counters had an impulse storage rate of 0.1 to 5000 per sec and a total pulses; and 3) Sputnik 6 counters had an storage capacity of 2° impulse storage rate of 0.1 to 5000 per sec and a total capacity. of 217 pulses for the mica aperture counter and 220 pulses for the beryllium aperture type. A functional diagram of a Sputnik counter system is shown in Fig. 2 of the Enclosure. "The authors thank the project's director Prof. S. L. Mandel'shtam. The authors also thank M. ... Minayev, V. F. Sukhanov and I. T. Shepovalov who participated in the preparation and operation of the devices described."

VASILIYEV, B.N.

Fumping Machinery

Increasing the durability of water-pump packing. Avt.trakt. prom. No. 3, 1952

9. Monthly List of Russian Accessions, Library of Congress, June 1953, Uncl.

VASIL YEY, BN.

USSR/Miscellaneous - Auto engines

Card 1/1

Pub. 12 - 6/15

Authors

Vasilyev, B. N.

Title

Mechanical engine losses of the "Moskvich" automobile

Periodical

Avt. trakt. prom. 2, 14-21, Feb 1954

Abstract

The mechanical losses of the small liter-capacity Moskvich automobile engine, were investigated by a group of engineers of the Moscow Automobile Plant. The engine losses were checked at various load and speed conditions. Measures for the reduction or complete elimination of mechanical engine losses were introduced. Graphs;

illustration.

Institution:

The Low Liter-Capacity Automobile Plant, Moscow

Submitted

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APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858820012-6"

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VASIL'TEV, B.W., kand. tekhn. nauk; GAVRILOV, L.F., inzh.

Determining power consumption by automobile engine units. Vest.
mash. 38 no.3:21-24 Mr '%. (MIRA 11:2)

(Automobiles--Engines)

STECHKIN, B.S., akademik, glavnyy red.; SVIRIDOV, Yu.B., zam.otv.red.; APASHEV, M.D., red.; BRILING, N.R., red.; VASIL\*YEV, B.N., red.; VOINOV, A.N., red.; ZAGRYAZKIN, H.N., red.; GORSHKOV, G.B., red.izd-va; MAKAGONOVA, I.A., tekhn.red.

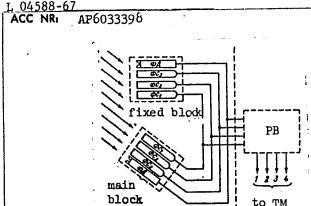
[Combustion and carburetion in diesel engines; proceedings of the scientific and technical conference organized by the Engines Laboratory in June 1958] Sgoranie i smesseobrazovanie v diseliakh; trudy nauchno-tekhnicheskoi konferentsii, provedennoi v iiune 1958 g. Laboratoriei dvigatelei. Moskva, 1960. 238 p. (MIRA 14:2)

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(Diesel engines)

L 04588-6	7 FSS-2/EWT(1)/FCC T	r/GW
ACC NRI	AP6033398	SOURCE CODE: UR/0293/66/004/005/0748/0754
AUTHOR:	Vasil'yev, B. N.	40
ORG: no	one /	60 B
TITLE:	Measuring solar x-ray em	ission with satellite-borne instruments
		niya, v. 4, no. 5, 1966, 748-754
ABSTRACI	: The instrumentation of	nt, solar x radiation, satellite data analysis, earried by the Elektron-2 and Elektron-4 satellites in the 2-10 A and 8-18 A spectral regions is
describe system of of radio	ed. A block-diagram of consisted of two blocks belectronic equipment lo	the measuring system is shown in Fig. 1. The entire of separate counters mounted externally, and a block cated inside the satellite. The main block of
of the a	second block, which was redead zone center of the	rientation system (toward the Sun). The optical axis rigidly attached to the satellite surface, coincided main block. The viewing angle of the second block
was ±30°	. Geiger photon counter	rs with 25-mg/cm <sup>2</sup> beryllium windows, sensitive in the rs with 2.7-mg/cm <sup>2</sup> aluminum windows, sensitive in record the x-ray emission. Other aluminum counters,
addition	ally shielded with thin	gold or silver foil, were employed as control counters
Card 1/3	3	UDC: 523.72 : 539.107.42

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Card 2/3

Fig. 1. Block-diagram of the satelliteborne x-ray measuring system

FS<sub>1</sub> - Beryllium counter; FS<sub>2</sub> - aluminum counter; FS<sub>3</sub> - control counter; FD - photo-transducer; RB - radioelectronic block; TM - outputs to the telemetry system memory unit.

in each of the two blocks. The control counters, which were only slightly sensitive to the 'soft x-ray emission, measured the level of noise caused by particles from radiation belts. Silicon phototransducers kept the Sun in the field of view of the two blocks of photon counters. Pulses from similar counters were directed to a common measuring channel. The pulse repetition frequency was approximately proportional to the emission intensity. The parameters of the counters remained unchanged after 10<sup>10</sup> pulses were recorded and after operation at temperatures from 40 to +50C. The radioelectronic section of the system included three identical channels for measuring the pulse repetition rate from the x-ray photon counters, a phototransducer

section operated normally at ten in the supply voltage from 12 to an accuracy of $^{1}(15\%-17\%)$ . On emission fluxes of 3.3 x $10^{-4}$ erg/cm <sup>2</sup> . sec in the 6 was 1 x $10^{-5}$ erg/cm <sup>2</sup> . sec, and 1	set unit, and a stabilized power supply emperatures ranging from -10 to +40C with 10 to 18 v. The pulse counting rate was recorded to 2 February 1964 the counters recorded erg/cm <sup>2</sup> . sec in the 2-8 A region, and 8-18 Å region (The sensitivity three 1.5 x 10 <sup>-4</sup> erg/cm <sup>2</sup> . sec, respectively	ecorded with solar x-ray
has: 6 figures.	4/ ORIG REF: 004/ ATD PRESS: 5100	
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L 29104-66 EWT(1)/FCC/FSS-2 GW

ACC NR. AR5018942 SOURCE CODE: UR/0269/65/000/007/0052/0052

AUTHOR: Mandel'shtam, S. L.; Vasil'yev, B. N.; Voron'ko, Yu. K.; Tindo, I. P.; 43 Shurygin, A. I.; Fetisov, Ye. N.

ORG: none

TITIE: Studies of the shortwave end of the Sun's spectrum with the help of satellites and rockets.

SOURCE: Ref. zh. Astronomiya. Otdel'nyy vypusk, Abs. 7.51.431

REF SOURCE: Tr. Komis. po spektroskopii. AN SSSR, v. 1, 1964, 36-54

TOPIC TAGS: sum, solar radiation intensity, solar radiation, solar corona

TRANSLATION: Experimental and theoretical studies were made of the Sun's radiation in the spectrum area of  $\lambda < A$ . It was established that this radiation has a continuous spectrum and is dependent on the recombination of electrons and "heavy" ions in the solar crown. Various tests of the electron temperature in radiation areas of the crown gave values within limits of  $(1.5 - 4)10^{6}$  K; the flow of radiation at the edge of the Earth's atmosphere is  $(2-8)10^{-4}$ erg/sm<sup>2</sup>sec. References 13. Authors' resume.

SUB CODE: 03 / SUBM DATE: none

Card 1/1 (1)

L 12995-66 EWT(1)/FCC/EWA(h) GW

ACC NR: AR6000794 SOURCE CODE: UR/0169/65/000/009/A013/A013

SOURCE: Ref. zh. Geofizika, Abs. 9A75

AUTHOR: Mandel'shtam, S. L.; Vasil'yev, B. N.; Voron'ko, Yu. K.; Tindo, I. P.; Shurygin, A. I.; Fetisov, Ye. N.

TITLE: Using artificial satellites and rockets to study the short-wave end of the solar spectrum

CITED SOURCE: Tr. Komis. po spektroskopii. AN SSSR, vyp. 1, 1964, 36-54

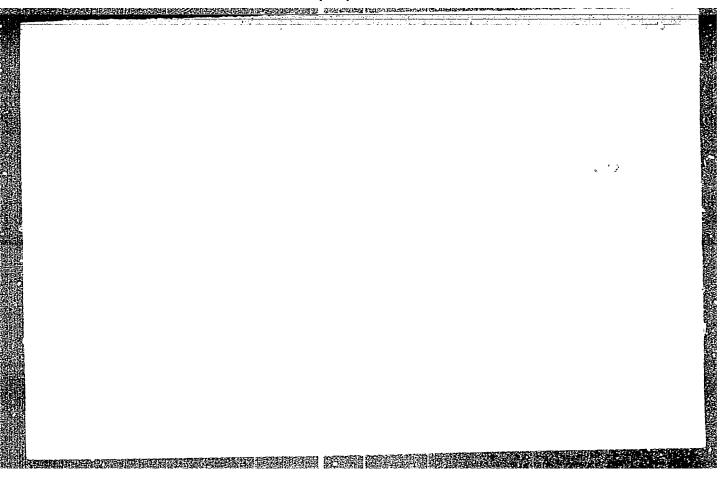
TOPIC TAGS: solar radiation, artificial earth satellite, solar corona

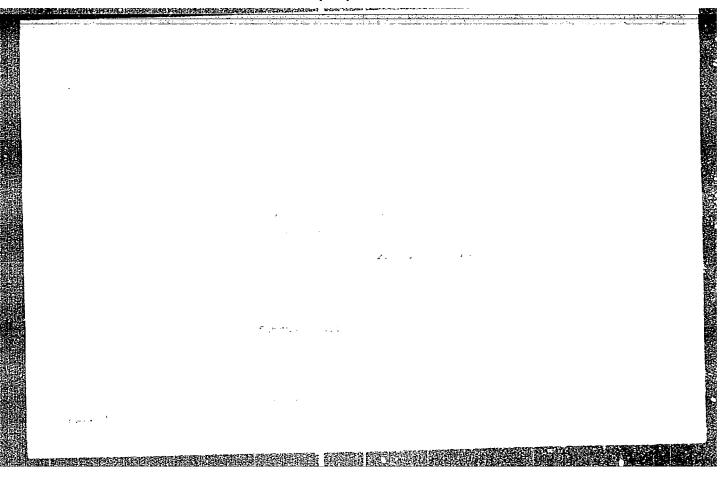
TRANSLATION: Solar radiation was experimentally and theoretically studied in the spectral region with wavelengths shorter than 10 angstroms. It was found that the radiation has a continuous spectrum and is due to recombination of electrons and "heavy" ions in the solar corona. Various experimental measurements of the electron temperature in the radiating regions of the corona gave values lying between 1.5 and  $4\cdot10^{60}$  Kelvin; the radiation flux at the boundary of the terrestrial atmosphere is  $2-8\cdot10^{-4}$  erg/cm<sup>2</sup>·sec.

SUB CODE: 08, 22/ Card 1/1 // ...

UDC: 523,72:629.195.2:629.192.2/3

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VASILIYAM, B.P.; Meshow, P.B.

New type of a 36-ton forging press. Muz.-shtem. proizw. The.S: (MRA 18:9)

VASILIYEV, B.P. (Kotlas)

Island shelves in the North Atlantic. Priroda 53 no.5:
86-87 | 64. (MIRA 17:5)

VASIL'YEV, B.P., inzh.

Systems for the counteraction of bending moments acting on the movable crosspiece and the columns of large presses.
[Nauch. trudy] ENIKMASha ll:121-135 165.

Effect of the compressibility of the fluid on the speed of movement of hydraulic actuating mechanisms. Ibid.:135-142 (MIRA 18:6)

NOVOZHILOV, Mikhail Galaktionovich, doktor tekhn. nauk, prof.; TARTAKOVSKIY, Boris Nusicovich; BARSUKOV, Mikhail Ivanovich; VASIL'YEV, B.K., red.

> [Designing a technology for open-pit mine construction by using continuous techniques] Proektirovanie tekhnologii stroitelistva karierov pri primenenii tekhniki nepreryvnogo deistviia. Moskva, Nauka, 1965. 110 p. (MIRA 18:9)

KHRUSHCHOV, M.M., prof., doktor tekhn. mark, atv. rea.; VASILIVIN, B.K., red.

[Plastics in sliding bearings; investigations and experience in their use] Plastmassy v osishipnikakh skolizhenia; issledovania, opyt primeneniia. Moakva, Nauka, 1965. 183 p. (NIRA 18:9)

1. Moscow. Gosudarstvennyy nauchno-issledovatel skiy institut mashinovedeniya.

VASILYEV, B.P

PHASE I BOOK EXPLOITATION

sov/5658

Ivanov, Aleksandr Petrovich, Candidate of Technical Sciences, and Viktor Dmitriyevich Lisitsyn, Candidate of Technical Sciences, eds.

Modernizatsiya kuznechno-shtampovochnogo oborudovaniya (Modernization of Die-Forging Equipment) Moscow, Mishgiz, 1961. 226 p. Errata slip inserted. 10,000 copies printed.

Reviewer: V. Ye. Nedorezov, Candidate of Technical Sciences; Ed. of Publishing House: T. L. Leykina; Tech. Ed.: A. A. Bardina; Managing Ed. for Literature on Machine-Building Technology (Leningrad Department, Mashgiz): Ye. P. Naumov, Engineer.

PURPOSE: This book is intended for foremen, machinists, designers, and process engineers concerned with the modernization and designing of die-forging equipment. It may also be used by students at schools of higher education.

COVERAGE: The book contains material presented at the Conference

Card 1/8

Modernization of Die-Forging Equipment

SOV/5658

THE CONTRACT OF THE PROPERTY O

on Problems in the Modernization and Operation of Die-Forging Equipment, held in November 1958 in Leningrad. The Conference was called by Leningradskiy Sovet narodnogo khozyaystva, Sektsiya obrabotki metallov davleniyem Leningradskogo oblastnogo pravleniya NTO Mashprom (Leningrad Council of the National Economy, Section of Metal Pressworking at the Leningrad Oblast Board of the Scientific and Technical Society of the Machine Industry) and Leningradskiy mekhanicheskiy institut (Leningrad Mechanical Engineering Institute). Actual problems in the modernization, operation, and repair of die-forging equipment are described. Analyses are provided for problems involved in the mechanization and automation of die-forging and stamping operations. Also included are practical data to be used in the modernization of equipment. No personalities are mentioned. There are 59 references: 56 Soviet, 2 German, and 1 English.

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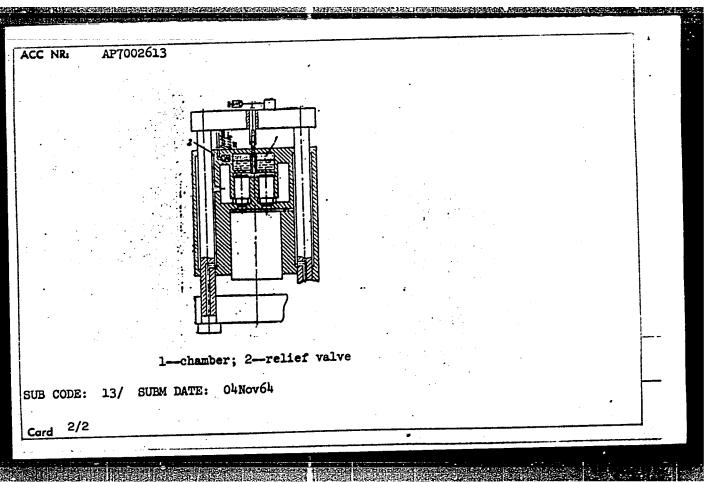
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ACC NR: AP7002613 (A, N) SOURCE CODE: UR/0413/66/000/023/0106/0128	
INVENTOR: Vasil'yev, B. P.; Dayydova, R. G.; Platonov, V. N.	4
PRG: None  PRG: None  PRG: None  PREM: A device for automatic control of a hydraulic vibrator. Class 58, No. 189312  [Experimental Scientific Research Institute of Forging and Pressing Machine Building  [Experimental'nyy nauchno-issledovatel'skiy institut kuznechno-pressovogo  [Exsperimental'nyy nauchno-issledovatel'skiy institut kuznechno-pressovogo  [Exsperimental Scientific Building  [Experimental Pressovogo  [Experimental Pression Machine Building  [Experimental Pressovogo  [Experimental Pression Machine Building  [Experimental Pression Machine  [Experimental Pression	
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JD/HN

ACCESSION NR: AT5017687

UR/3000/65/000/011/0131/0134

AUTHOR: Vasil'yev, B. P. (Engineer)

TITLE: Bending moment compensating systems acting on the moving traverse and columns of large presses ,

SOURCE: Moscow. Eksperimental'nyy nauchno-issledovatel'skiy institut kuznechnopressovogo mashinostroyeniya. Nauchnyye trudy, no. 11, 1965. Novyye kuznechnopressovyye mashiny (New forging machines), 121-134

TOPIC TAGS: hydraulic press, metal forming, metal forming press

ABSTRACT: Systems which make the resultant force from all cylinders on multicylinder hydraulic presses coincide with the resultant of the resisting forces to prevent bending moments in the traverse and columns are discussed. A. U.S. system proposed by Leon Mollick and James Jursik (Heavy Presses: Strain Gages Stand Guard "Steel" vol. 140, 1957, No. 4, pg. 92-93) is briefly mentioned. A system developed at VNIIMETMAShem by B. V. Rozanov and V. P. Lintz (Avtomaticheskoye ustraneniye perekosa traversy v gidravlicheskikh pressakh - "Kuznechno-shtampovochnoye proizvodstvo," 1961, No. 6) is shown in Fig. 1 on the Enclosure. It has 4 cylinders (I-IV) located at the 4 corners of the movable traverse. The upper and lower chambers of diagonally opposed cylinders are cross-connected. Lines 1 and 2 have Card 1/4.

#### CIA-RDP86-00513R001858820012-6 'APPROVED FOR RELEASE: 08/31/2001

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AT5017687 ACCESSION NR:

two auxiliary cylinders which activate the supply and exhaust valves. If the load resultant is at e, the compensating system activates all four cylinders to balance the eccentricity. Although this system is much simpler than the U.S. system, its stability must be carefully considered. It was found that it could meet stability and accuracy requirements only at particular operating conditions. Some instabilities were encountered after a system of this nature was installed in a press oper-

ated at 32  $Mn/m^2$  with a stroke of 2000 mm. It has also been found that, during normal pressing operations, short periods of high eccentricity transients exist, and that during these periods the compensating system is too slow. In such a case the pressing velocity can be decreased to improve the accuracy. Such a variable speed system was developed for a 300-Mn press as shown in Fig. 2 on the Enclosure. In this system the traverse speed is proportional to the rotation of shaft 9 which is controlled by a hydraulic motor. The speed of the motor can be varied by a hydraulic cam follower. Orig. art. has: 10 figures and 2 formulas.

ASSOCIATION: Eksperimental'nyy nauchno-issledovatel'skiy institut kuznechnopressovogo mashinostroyeniya (Experimental Scientific Research Institute of Forging and Pressing Machine Construction)

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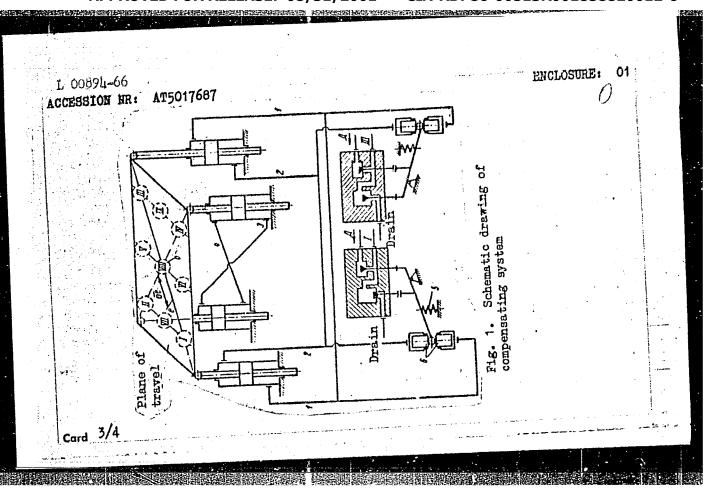
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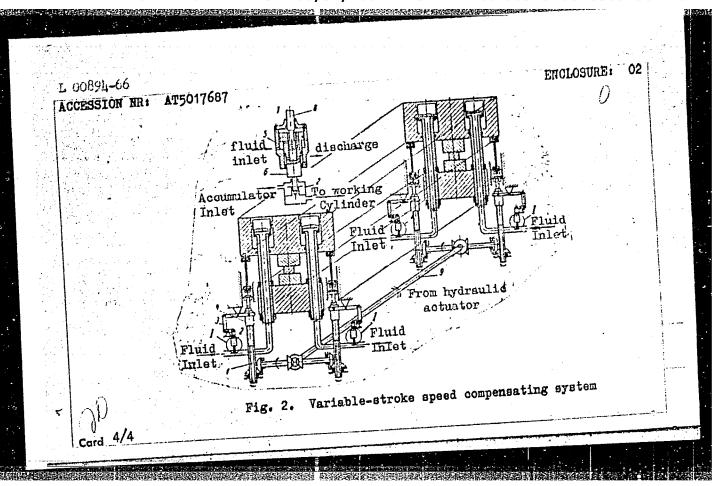
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VASILIVEV, B.P.; LEVITA, D.Ya.

Hydraulic control apparatus for performing automatic operations

Hydraulic cylinders in required sequence. Kuz.-shtam.
by a group of hydraulic cylinders in required sequence.

(MIRA 15:7)

(Hydraulic control)

TUPITSYM, K.K.; VASIL'YMV, B.P.

Analysis of the synchronization system of a hydraulic process.

Trudy Inst. avtom. i elektromotr. SO AM SSSR no.6:86-94. '67.. (MRA 17:10)

ACC NR: AM6015331	Monograph IJP(c) EM/FDN/JD/HW	4	UR/
Vasil'yev, B. P., e			, ,
Hydraulic presses:	some structures and designs (G	idrawlichecki	7
pressy; nekotoyy	e konstruktsii i raschety) Mos 6. 435 p. illus., biblio., ta	cow, Izd-vo "	Mashino-
performance cont	lic press, press design, hydra rol, new controlling device, pactuating mechanism	ulic drive, press capacity	ress , servo
of machine-build hydraulic press specializing in modern hydraulic	E: This book is intended for ing organizations engaged in dequipment. It may also be use these fields. The book review presses used for different pu	esigning and ful to studen s designs of rposes and sy	operating ts some stems of
the performance and calculations	New hydraulic and electric dev of presses are described and to of various press drives are a	heoretical pr nalyzed. Met	oblems hods of
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